

Summary of Reclamation Projects for the Upper Animas River
(Updated 10/31/2011)

| <u>(1) Project Sponsor</u> | <u>(2) Project Site Name</u> | <u>(3) Location</u> | <u>(4) Type of Remediation</u> | <u>(5) Project Timeframe</u> | <u>(6) Funding (incl. in-kind match)</u> | <u>(7) Improvements</u> (actual or anticipated) |
|----------------------------|---|--|--|------------------------------|--|--|
| Sunnyside Gold Corp. | Mayflower Mill – Tailings Ponds #1, #2 and #3 | Mayflower Mill complex near Boulder Creek and Animas River | Re-contour inactive tailings ponds and cap. 625,000 yards of tailings and overburden moved. | Completed 1991-1992 | SGC: \$1,755,000 | Mined land reclamation –reduce loading of metals and erosion transport of tailings |
| Sunnyside Gold Corp. | Lake Emma Sunnyside Basin | Sunnyside Basin headwaters of Eureka Creek | Fill mine subsidence, remove 240,000 yards mine waste and re-contour disturbances. | Completed 1991-1993 | SGC: \$911,000 | Mined land reclamation and reduce loading of metals |
| Sunnyside Gold Corp. | Eureka Townsite | On banks and In floodplain of Animas River | Remove 112,000 yards of tailings | Completed 1996 | SGC: \$843,000 | Reduce loading of metals and erosion transport of tailings |
| Sunnyside Gold Corp. | Boulder Creek Tailings | Flood plain of Boulder Cr. and the Animas River | Remove 5700 yards of tailings | Completed 1997 | SGC: \$32,500 | Reduce loading of metals and erosion transport of tailings |
| Sunnyside Gold Corp. | Ransom adit | Eureka townsite above old mill foundation | Bulkhead seal to stop deep mine drainage and reclaim portal | Completed 1997 | SGC: \$85,400 | Restore hydrologic regime and reduce rate of ore oxidation by placing mine workings under water to reduce metal loading. |
| Sunnyside Gold Corp. | Gold Prince mine waste and tailings | Headwaters of Placer Gulch | Bulkhead seals to stop deep mine drainage. Consolidate mine waste and tailings (moved 6000 yards) and construct upland diversions | Completed 1996-1997 | SGC: \$151,000 | Reduce exposure to water to reduce metal loading |
| Sunnyside Gold Corp. | Pride of the West tailings | Howardsville near confluence of Cunningham Creek with Animas River | Remove 84,000 yards of tailings | Completed 1997 | SGC: \$490,500 TUSCO: \$14,000 | Reduce metal loading and transport of tailings by erosion |
| Sunnyside Gold Corp. | Sunnyside Mine | Sunnyside Mine Lake Emma Area | Inject 652 tons of hydrated lime into the Sunnyside Mine pool to provide increased alkalinity and improve initial mine pool conditions | Completed 1996-1997 | SGC: \$313,000 | Improve initial conditions as water table is restored through bulkheading to stop mine drainage |

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|------------------------|---------------------------------------|--|---|---------------------------|--|---|
| Sunnyside Gold Corp. | Mayflower Upland Hydrological Control | Mayflower Mill and Tailings Pond #1 area near Silverton | Capture and divert three upland drainages that were going sub-surface up-gradient of the mill and TP #1 facilities | Completed 1998-1999 | SGC: \$186,000 | Minimize potential for contact of runoff with tailings and reduce potential for metal loading |
| Sunnyside Gold Corp. | TP #4 drainage modification | Drainage ditch between Hwy. 110 and TP #4 near Silverton and Animas R. | Install lined diversion ditch to capture surface runoff and prevent infiltration through tailings material | Completed 1999 | SGC: \$72,000 | Minimize potential for contact of runoff with tailings and reduce potential for metal loading |
| Sunnyside Gold Corp. | TP #4 upland groundwater diversion | Up-gradient from Tailings Pond #4 near Silverton | Capture groundwater and divert around tailings impoundment | Completed 1993-1995, 1999 | SGC: \$409,000 | Minimize potential for contact of groundwater with tailings and reduce potential for metal loading |
| Sunnyside Gold Corp. | Power Plant Flats | Power Plant Flats, Animas River floodplain | Removal of mill tailings from floodplain | Completed 2003 | SGC: \$? | Excavate buried tailings and dispose into Mayflower Tailings Pond #4 |
| Sunnyside Gold Corp. | Reactive Wall | Animas floodplain below MF. Tailings #4 | Treat contaminated groundwater before entering Animas River | Fall, 2003 | SGC: \$ | Reduce metal loading to Animas River |
| Silver Wing Mining Co | Silver Wing | Animas river, about 1.5 mile above Eureka | Collect AMD, hydrological controls | 1995 | Silver Wing \$7,000 | Remove AMD from dump, reduce metals loading |
| Silver Wing Mining Co | Silver Wing | Animas River, about 1.5 miles above Eureka | Anoxic Drain, settling pond, bioreactor | 1999-2000 | NPS 319Funds: \$216,000. St. Severance tax: \$144,000 | Reduce metal loading to the Animas River. |
| San Juan RC & D (ARSG) | Handies Peak Project | Lucky Jack Mine wastes and drainage | Hydrological controls, remove wastes from fen, consolidation, neutralization, revegetation; adit and shaft closures | 2004 | Ca. \$75,000; match from Co. Mineral Severance | Reduce metal loading and acidity to Upper Animas River; uncover fen and restore |
| San Juan RC & D (ARSG) | Handies Peak Project | Upper Lucky Jack Mine wastes and drainage | Consolidation, neutralization, & revegetation of waste dump; clean streambed of wastes | 2005 | Ca. \$13,095; match from Co. Mineral Severance | Reduce metal loading and acidity to Upper Animas River from leaching mine wastes partially residing in stream |
| San Juan RC & D (ARSG) | Infiltration Control Project | Pride of the West Mine Open Stopes | Combined safety and infiltration closure of 2 large open stopes & 1 raise. | 2005 | Ca 700,000; Min. Severance; NPS = \$125K; Match = \$84K | Reduced surface water infiltration into mine to reduce metal loading at mine discharge. |
| Mining Remedial | Sunbank Group | Placer Gulch | Anoxic drain, settling pond, waste consolidation, bulkhead | 1995 | NPS 319 Funds: \$58,000 | Raise pH from draining adit, reduce metal loading from adits and mine |

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|----------|---------------------|-----------------------|--|-----------|----------------|--------------------------------------|
| Recovery | | | | | MRRC: 38,500 | |
| U.S. BLM | Forest Queen | Animas near Eureka | AMD collection and passive wetland treatment | 1998-1999 | BLM: \$290,000 | Reduce metal loading to Animas River |
| U.S. BLM | Lackawanna Tailings | Animas near Silverton | Removal of tailings from flood plain to Mayday dump for consolidation and capping. | 2000 | BLM: \$300,000 | Reduce metal loading to Animas River |

Total For Each Entity (through 2002 only)

| PRIMARY SPONSOR | TYPE OF PROJECT | Primary Fund Source/Amt. | Match Source and Amount | Total Construction Cost |
|---|--|---------------------------------|---|--------------------------------|
| SJRC&D (ARSG) | NPS 319 – Mine wastes | NPS 319 / \$329,635 | SGC, St. Severance Tax/ \$219,757 | \$549,392 |
| SJRC&E (ARSG) | NPS 319 – Mine Wastes | NPS 319/ \$362,740 | St. Severance Tax;, Silver Wing Co. / \$472,500 | \$835,240 |
| Forest Service | AML Mine Wastes & mine drainage control | U. S. Forest Service / \$63,384 | none | \$63,384 |
| BLM | Mine Wastes | BLM / \$440,800 | None | \$440,800 |
| BLM | Mine drainage treatment | BLM / \$290,000 | None | \$290,000 |
| Office of Surface Mining | Mine Waste treatment | OSM / \$10,000 | none | \$10,000 |
| Other Private Companies | Mine drainage treatment | Owners / \$124,301 | None | \$124,301 |
| Other Private Companies | Mine Waste treatment | NPS / \$58,000 | \$38,500 | \$96,500 |
| Other Private Companies | Mine Waste treatment | NPS / \$226,050 | \$150,700 | \$376,750 |
| TOTAL FROM ALL ENTITIES (except SGC) | Mine waste and drainage treatments combined | \$1,904,910 | \$881,457 | \$2,786,367 |
| | | | | |
| Sunnyside Gold Corp (SGC) | Mine Waste Treatments | \$10,219,600 | none | \$10,219,000 |
| TOTAL WITH ALL ENTITIES | Mine waste and drainage treatments combined | \$12, 124, 510 | \$881,457 | \$13,005,367 |